Practise

1 State whether the following statements are true or false:

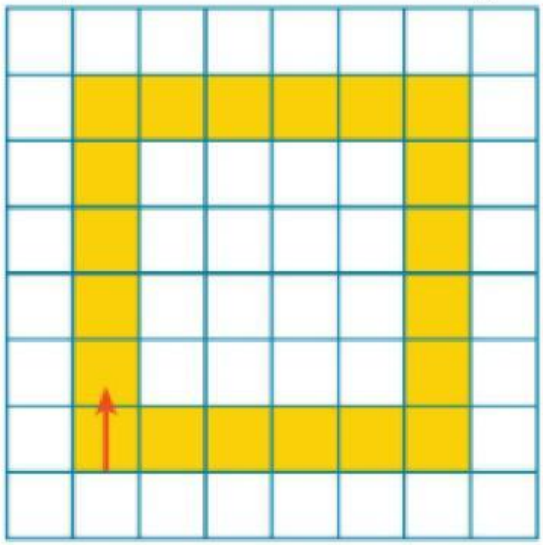
a A count-controlled loop is when instructions are repeated an unknown number of times.

b The number of times a loop is executed is called a counter.

c A counter can keep track of the number of iterations in an algorithm.

d A loop cannot be repeated.

2 Jack writes the instructions to walk in a square as shown below.
Help Jack shorten his code by reducing the number of instructions.





Algorithm name: Square	
Step	**Instruction**
1	Start
2	Move forward 5 blocks
3	Turn right
4	Move forward 5 blocks
5	Turn right
6	Move forward 5 blocks
7	Turn right
8	Move forward 5 blocks
9	Turn right
10	Stop

Algorithm name: Square (NEW)	
Step	**Instruction**
1	
2	
3	
4	
5	

LIVEWORKSHEETS